

In the claims:

1. (currently amended) A computer program product recorded on a computer-readable medium for a first access point capable of communicating in a wireless communications network via a radio frequency channel, ~~the program product comprising a computer readable medium having embodied therein a computer program for storing data, the computer program~~ comprising:

logic for detecting that a second access point is also using the radio frequency channel, the detecting logic including:

logic for receiving messages from the second access point; and

logic for maintaining indications of the transmit power levels of other access points including the second access point;

logic, responsive to the indications of the transmit power levels of other access points maintained by the detecting logic, for adjusting transmit power to decrease interference with the second access point detected to be using the radio frequency channel; and

logic for transmitting an indication of the amount by which transmit power of the first access point has been adjusted,

wherein the detecting logic and the reducing transmit power logic are executed by the first access point.

2. (cancelled)

3. (cancelled)

4. (previously presented) The program product of claim 1 wherein the wireless communications network is an 802.11 wireless network.